BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Navodaya School Road in Ward No. 11, Kuvempunagara.**

			Estimate Cost:					2000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Navodaya School Road		1	100.00	1.00	0.90	90.00		
			2	100.00	0.45	0.45	40.50		
	Basic Rate	82.00					**130.50**	199.36	**26017.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
	New Drain		1	100.00	1.00	0.15	15.00		
	Existing Drain		4	100.00	0.30	0.15	18.00		
	Basic Rate	4867.00					**33.00**	5159.02	**170248.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
3	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2016-17**	Cum							
	Drain Bottom Concrete		1	100.00	0.90	0.15	13.50		
	Side Wall		2	100.00	0.15	0.60	18.00		
	Basic Rate	5879.00					**31.50**	6231.74	**196300.00**
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200** mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.1, PWD SR 2016-17**	Sqm							
			4	100.00		0.60	240.00		
	Basic Rate	937.00					**240.00**	993.22	**238373.00**
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
10	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Bed Concrete		2	100.00	0.45	0.10	9.00		
	Coping Concrete		4	100.00	0.20	0.10	8.00		
	Basic Rate	5441.00					**17.00**	5767.46	**98047.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
11	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		333	0.90	0.60		180.00		
			346	0.90	0.60		186.84		
							366.84	1820.56	**667854.00**
	Sub Total								**1800866.00**
	KRIDL Charges @ 10%								**180087.00**
	Labour Cess @ 1%								**18009.00**
	Add for unforseen and rounding off	L/S							**1038.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

ADMINISTRATIVE APPROVAL
Accorded For Rs. 20.00 Lakhs
Head of A/c P-1878
Div. Ref. No. 213 Date. 13/03/18
AE (BTP)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For ..20.00 Lakhs
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